

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

STANF.18H

SERIAL NO.

137,870

INFORMATION DISCLOSURE CITATION

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT

Shaw et al.

FILING DATE

12/22/87

GROUP

251

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ADL	4 3 6 2 3 5 9	12/7/82	Dammann et al.	350	96.19	_____
ADL	4 3 4 3 5 3 2	8/10/82	Palmer	350	96.19	_____
ADL	4 3 4 2 4 9 9	8/3/82	Hicks, Jr.	350	96.15	_____
ADL	4 3 3 5 9 3 3	6/22/82	Palmer	350	96.19	_____
ADL	4 3 1 5 6 6 6	2/16/82	Hicks, Jr.	350	96.15	_____
ADL	4 3 0 0 8 1 1	11/17/81	Ettenberg et al.	350	1.1	_____
ADL	4 3 0 1 5 4 3	11/17/81	Palmer	455	612	_____
ADL	4 2 4 3 2 9 7	1/6/81	Elion	350	96.15	_____
ADL	4 3 0 7 9 3 3	12/29/81	Palmer et al.	350	96.16	_____
ADL	3 9 5 7 3 4 1	5/18/76	Taylor	350	96.15	_____

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
ADL	5 5-7 6 3 0 8	6/9/80	Japan	_____	_____	X	_____
ADL	3 8 0 2 3	10/21/81	Europe	_____	_____	X	_____
ADL	1 0 9 4 6 3 9	12/13/67	U.K.	_____	_____	X	_____
ADL	5 3-9 1 7 5 2	11/8/78	Japan	_____	_____	X	_____
ADL	1 4 3 9 4 6 9	11/68	Germany, W.	_____	_____	_____	X
ADL	5 7-8 5 0 0 4	5/82	Japan	_____	_____	_____	X

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

ADL	1	✓ Injeyan et al., Light Amplification by Evanescent Wave Coupling in a Multimode Fiber". APPLIED OPTICS, Vol. 21, No. 11, 6/82, pp. 1928-1932.

ADL	2	✓ Digonnet al., "Analysis of a Tunable Single Mode Optical Fiber Coupler", IEEE J. OF QUANTUM ELECTRONICS, Vol. QE-18, No. 4, April 1982, pp. 746-753.

ADL	3	✓ Bergh et al., "Single Mode Fiber Optic Directional Coupler", ELECTRONICS LETTERS, Vol 16, No. 7, 3/27/80, pp. 260-261.

EXAMINER

JOHN D. LEE

DATE CONSIDERED

23 NOVEMBER 1988

*EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.



FORM PTO-1449

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ADL	3 2 3 0 4 7 4	1/66	Keck et al.	372	70	
ADL	3 4 5 6 2 1 1	7/69	Koester	372	6	
ADL	3 7 3 1 2 2 5	5/73	Wild et al.	372	6	
ADL	3 7 5 3 1 4 5	8/73	Chesler	372	75	
ADL	3 9 0 2 1 3 0	8/75	Pike	330	4.3	
ADL	3 9 1 4 7 0 9	10/75	Pike et al.	372	30	
ADL	3 9 7 5 6 9 2	8/76	Mego, Jr. et al.	372	26	
ADL	4 1 3 6 9 2 9	1/79	Suzaki	350	96.15	
ADL	4 2 5 8 3 3 6	3/81	Fletcher et al.	372	94	
ADL	4 3 8 3 3 1 8	5/83	Barry et al.	372	6	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
ADL	0 1 1 2 0 9 0	6/84	Europe			X	

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

ADL	4	Kapany et al., "Coherent Interactions Between Optical Waveguides...", J. OPTICAL SOCIETY OF AMERICA, Vol. 58, No. 9, 9/68, pp. 1176-1183.
ADL	5	Periasamy et al., "Laser Amplification in an Optical Fiber by Evanescent Field Coupling", APPLIED PHYSICS, Vol. 24, No. 3, 3/81, pp. 201-203.
ADL	6	Burrus et al., "Single-Crystal Fiber Optical Devices: A Nd:YAG Fiber Laser", APPLIED PHYSICS LETTERS, Vol. 26, No. 6, 3/15/75; pp. 318-320.

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ADL	4 5 1 5 4 3 1	5/85	Shaw et al.	350	96.15	
ADL	4 5 4 6 4 7 6	10/85	Shaw et al.	372	6	
ADL	4 5 5 3 2 3 8	11/85	Shaw et al.	372	6	
ADL	4 5 5 4 5 1 0	11/85	Shaw et al.	330	4.3	
ADL	4 6 0 3 9 4 0	8/86	Shaw et al.	350	96.15	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

ADL	7	Alferov et al., "Multichannel Duplex Fiber-Optic Communication Line...", SOVIET JOURNAL OF QUANTUM ELECTRONICS, Vol. 12, No. 8, 8/82, pp. 1088-1090.

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